

Title (en)

Electric power source assembly for a vehicle and vehicle equipped with electric power source assembly

Title (de)

Elektrische Stromquellenanordnung für ein Fahrzeug und Fahrzeug mit elektrischer Energieanordnung

Title (fr)

Ensemble de source de puissance électrique pour un véhicule et véhicule équipé d'un tel ensemble

Publication

EP 2819261 A1 20141231 (EN)

Application

EP 14173432 A 20140623

Priority

FI 20135697 A 20130626

Abstract (en)

An electric power source assembly for a vehicle, the power source assembly comprising a plurality of converter unit groups (GC, EC1, MC), each one of which comprises at least one converter unit, each converter unit comprising a plurality of controllable switches (S1 to S6), a first terminal group and a second terminal group, the first terminal group comprising two first terminals (T11, T12) and the second terminal group comprising three second terminals (T21, T22, T23), and control means (CTRL) for controlling the plurality of controllable switches (S1 to S6) in at least one converter unit of each converter unit group, the plurality of converter unit groups comprising at least one converter unit group (MC, MVC) in which at least one converter unit is arranged to operate as an inverter. The plurality of converter unit groups further comprise at least one converter unit group (EC1, EC2, HR), in which at least one converter unit is adapted to operate as a direct-voltage converter, the converter units in the plurality of converter unit groups (GC, MC, EC1, EC2, HR) being identical with one another.

IPC 8 full level

H02J 3/38 (2006.01); **B60L 50/10** (2019.01)

CPC (source: EP FI)

B60L 50/15 (2019.01 - FI); **H02J 3/38** (2013.01 - EP FI); **H02J 7/14** (2013.01 - FI)

Citation (search report)

- [X] US 2009160252 A1 20090625 - KOJIMA YASUSHI [JP], et al
- [XI] US 2009033156 A1 20090205 - CHAKRABARTI SIBAPRASAD [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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